

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: January 8, 2002, 21:35:09 ; Search time 47.65 Seconds  
(without alignments)  
6473.516 Million cell updates/sec

Title: US-09-635-521A-1

Perfect score: 1362  
Sequence: 1 atcgcttaccacgcctccc.....ttcaggagcatgaatttga 1362

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Minimum DB seq length: 0  
Maximum DB seq length: 200000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Issued Patents NA: \*  
1: /cgn2\_6/ptodata/2/ina/5A.COMB.seq: \*  
2: /cgn2\_6/ptodata/2/ina/5B.COMB.seq: \*  
3: /cgn2\_6/ptodata/2/ina/6A.COMB.seq: \*  
4: /cgn2\_6/ptodata/2/ina/6B.COMB.seq: \*  
5: /cgn2\_6/ptodata/2/ina/PCPUS.COMB.seq: \*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq: \*

Pred. NO. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	97.6	7.2	1575	3	US-08-858-876A-1
2	97.6	7.2	1575	4	US-09-472-880-1
3	95.8	7.0	1342	3	US-08-832-399-1
4	95.8	7.0	1342	4	US-09-372-498-1
5	85.4	6.3	1529	3	US-08-858-876A-3
6	85.4	6.3	1529	4	US-09-472-880-3
7	82	6.0	1088	4	US-09-077-675A-6
8	82	6.0	1122	4	US-09-077-675A-9
9	78.6	5.8	836	4	US-09-077-675A-11
10	77.2	5.7	1092	4	US-09-077-675A-15
11	77.2	5.7	3129	4	US-09-077-675A-14
12	73.2	5.4	1063	4	US-09-077-675A-1
13	71.6	5.3	1029	4	US-08-153-848-39
14	61.2	4.5	1872	1	US-08-299-843A-39
15	61.2	4.5	1872	3	PCT-US93-1153-39
16	61.2	4.5	1872	5	US-08-993-088A-4
17	60.8	4.5	283	4	US-08-349-696-20
18	52.2	3.8	981	1	US-08-233-009-20
19	52.2	3.8	981	1	US-08-560-231-20
20	52.2	3.8	981	1	US-09-080-704A-20
21	52.2	3.8	2900	1	US-07-918-314-5
22	52.2	3.8	7218	1	US-08-232-463-14
23	52.2	3.8	1105	2	US-08-466-103A-15
24	50.4	3.7	6379	1	US-08-499-215-1
25	49.4	3.6	1214	4	US-09-224-426-3
26	49.4	3.6	1214	4	US-09-478-601-3
27	49.4	3.6	1214	4	US-09-478-601-3

28	49.4	3.6	1214	4	US-09-478-602-3	Sequence 3, Appl1
29	48.4	3.6	1581	1	US-08-313-553-8	Sequence 8, Appl1
30	48.4	3.6	1581	3	US-08-767-993-8	Sequence 8, Appl1
31	48.4	3.6	1586	1	US-08-313-553-6	Sequence 6, Appl1
32	48.4	3.6	1956	3	US-08-767-993-6	Sequence 6, Appl1
33	47.4	3.5	1269	4	US-09-224-426-1	Sequence 1, Appl1
34	47.4	3.5	1269	4	US-09-478-601-1	Sequence 1, Appl1
35	47.4	3.5	1269	4	US-09-478-602-1	Sequence 1, Appl1
36	47.4	3.5	1316	3	PCT-US95-16472-1	Sequence 1, Appl1
37	47.4	3.5	1385	3	US-08-984-288-1	Sequence 1, Appl1
38	47.4	3.5	1385	3	US-08-349-696-22	Sequence 22, Appl1
39	47	3.5	1239	1	US-08-233-009-22	Sequence 22, Appl1
40	47	3.5	1239	1	US-08-560-231-22	Sequence 22, Appl1
41	47	3.5	1239	4	US-09-080-704A-22	Sequence 22, Appl1
42	47	3.5	1239	4	US-09-034-985-1	Sequence 1, Appl1
43	45.6	3.3	1174	3	US-08-086-439C-2	Sequence 1, Appl1
44	45	3.3	1161	1	US-08-434-877-2	Sequence 2, Appl1
45	45	3.3	1161	1	US-08-434-877-2	Sequence 2, Appl1

#### ALIGNMENTS

RESULT 1  
US-08-858-876A-1  
; Sequence 1, Application US/08858876A  
; Patent No. 6022856  
; GENERAL INFORMATION:  
; APPLICANT: Daniel CAPUT  
; APPLICANT: Pascale CHALON  
; APPLICANT: Pascual FERRARA  
; APPLICANT: VILTA NATALIO  
; TITLE OF INVENTION: Type 2 Neurotensin Receptor  
; TITLE OF INVENTION: (hnt-R2)  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC  
; STREET: 400 Seventh Street  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/858,876A  
; FILING DATE: 19-SEP-1997  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/FR 9723204  
; FILING DATE: 17-MAR-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Player, William E.  
; REGISTRATION NUMBER: 31,049  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1575 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 37..1266  
; US-08-858-876A-1  
Query Match 7.2%; Score 97.6; DB 3; Length 1575;







CITY: Rahway  
STATE: NJ  
COUNTRY: USA  
ZIP: 07065-0900  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/077,675A  
FILING DATE: 3-JUN-1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
ATTORNEY/AGENT INFORMATION:  
FILING DATE:  
NAME: Cocuzzo, Anna L.  
REGISTRATION NUMBER: 42,452  
REFERENCE/DOCKET NUMBER: 19590P  
ELECTRONIC COMMUNICATION INFORMATION:  
TELEPHONE: 732-594-1273  
TELEFAX: 732-594-4720  
TELEX:  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1088 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
US-09-077-675A-6

Query Match 6.0%; Score 82; DB 4; Length 1088;  
Best Local Similarity 50.7%; Pred. No. 1.4e-10;  
Matches 224; Conservative 0; Mismatches 215; Indels 3; Gaps 1;

117 catctctgtagtggcctcttgaggagacagcgccaccatctgggtacaccaggtgtctga 176  
131 CACCTGCTGAGGACTCTCTGCTGATGCGGTATCGCTGGCAACCTGCTCACCACCTGCTGAT 190  
177 gaagaaagatacttcagagaagagtgacagaccacatggtgattgtgtctgcgga 236  
191 GTCGCGCTTCGCGAGCTGCGACCAACCAACCTTACCTGCTCAGCATGCGCTTCTC 250  
237 catctctgtagtggcctcttgaggagacagcgccaccatctgggtacaccaggtgtctga 296  
251 CGATCTGCTATCTCTCTCTGCTGATGCGGTATCGCTGGCAACCTGCTCACCACCTGCTGAT 307  
297 gaccacgtcagctacacacccctgtcctgaagctgcacacattctcctcttgaggcctgcag 356  
308 GCCCTGGAACCTTGGGAGCACTCTCTCAAACTTCTCAATGCTGATGAGTGGAGCTGAC 367  
357 ctacagctacgtctgtagtgcagctgcacacacacacacacacacacacacacacacacac 416  
368 CTAGCGCAGGCTGCTACCAATCAACAGCGCTGAGCGTGAAGCGCTACTTGGCACTTGGCTT 427  
417 cccctcaggtacacagctgtgtcggagacacacacacacacacacacacacacacacacac 476  
428 CCCACTCCGGGCGCAAGGTGTGTGATCAACAGGGGCGGAGTGAAGTGTGATCTTGGCTT 487  
477 ctggtgtagtgcagcctgtgtgtagtgcagcctgtgtgtgtgtgtgtgtgtgtgtgtgtgt 536  
488 CTGGGCGGTGCTTCTGCAAGCGCGCGGCGCACTTGTGCTAGTGTGGGTGGAGCAGCA 547  
537 cctgtgtagtgcagcctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 558  
548 GACGCGCAGCAGCCTTGGGAGC 569

RESULT 8  
US-09-077-675A-9

Sequence 9, Application US/09077675A  
Patent No. 6242199  
GENERAL INFORMATION:  
APPLICANT: Pal, Lee-Yuh  
APPLICANT: Feighner, Scott C.  
APPLICANT: Howard, Andrew D.  
APPLICANT: Pong, Sheng-Shung  
APPLICANT: Van Der Ploeg, Leonardus H.T.  
TITLE OF INVENTION: RECEPTOR ASSAY  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merck & Co., Inc.  
STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
CITY: Rahway  
STATE: NJ  
COUNTRY: USA  
ZIP: 07065-0900  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/077,675A  
FILING DATE: 3-JUN-1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Cocuzzo, Anna L.  
REGISTRATION NUMBER: 42,452  
REFERENCE/DOCKET NUMBER: 19590P  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 732-594-1273  
TELEFAX: 732-594-4720  
TELEX:  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1122 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
US-09-077-675A-9

Query Match 6.0%; Score 82; DB 4; Length 1122;  
Best Local Similarity 50.7%; Pred. No. 1.5e-10;  
Matches 224; Conservative 0; Mismatches 215; Indels 3; Gaps 1;

117 catctctgtagtggcctcttgaggagacagcgccaccatctgggtacaccaggtgtctga 176  
131 CACCTGCTGAGGACTCTCTGCTGATGCGGTATCGCTGGCAACCTGCTCACCACCTGCTGAT 190  
177 gaagaaagatacttcagagaagagtgacagaccacatggtgattgtgtctgcgga 236  
191 GTCGCGCTTCGCGAGCTGCGACCAACCAACCTTACCTGCTCAGCATGCGCTTCTC 250  
237 catctctgtagtggcctcttgaggagacagcgccaccatctgggtacaccaggtgtctga 296  
251 CGATCTGCTATCTCTCTCTGCTGATGCGGTATCGCTGGCAACCTGCTCACCACCTGCTGAT 307  
297 gaccacgtcagctacacacccctgtcctgaagctgcacacattctcctcttgaggcctgcag 356  
308 GCCCTGGAACCTTGGGAGCACTCTCTCAAACTTCTCAATGCTGATGAGTGGAGCTGAC 367  
357 ctacagctacgtctgtagtgcagctgcacacacacacacacacacacacacacacacacac 416  
368 CTAGCGCAGGCTGCTACCAATCAACAGCGCTGAGCGTGAAGCGCTACTTGGCACTTGGCTT 427  
417 cccctcaggtacacagctgtgtcggagacacacacacacacacacacacacacacacacac 476

Db 693 CCCACTCCGGCCCAAGGTGTGTGTCACCAAGGGCGGGTGAAGCTGTCTCTTCAT 752  
Qy 477 ctgggtacactccgcccctgtgtgcaactgcccctgtgttgcacatggtactgacaccc 536  
Db 753 CTGGGCGGCTTCTTCTGTCAGCGCCGCCCATCTTCTGTCTAGTGTGGGTGAGACACGA 812  
Qy 537 cctgtgtgaactgtgcccagccac 558  
Db 813 GAACGGCACCACCTTGGGAC 834

## RESULT 9

US-09-077-675A-11  
; Sequence 11, Application US/09077675A  
; Patent No. 6242199  
; GENERAL INFORMATION:  
; APPLICANT: Pai, Lee-Yuh  
; APPLICANT: Feighner, Scott C.  
; APPLICANT: Howard, Andrew D.  
; APPLICANT: Pong, Sheng-Shung  
; APPLICANT: Van Der Ploeg, Leonardus H.T.  
; TITLE OF INVENTION: RECEPTOR ASSAY  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merck & Co., Inc.  
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
; CITY: Rahway  
; STATE: NJ  
; COUNTRY: USA  
; ZIP: 07065-0900  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/077, 675A  
; FILING DATE: 3-JUN-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Cocuzzo, Anna L.  
; REGISTRATION NUMBER: 42,452  
; REFERENCE/DOCKET NUMBER: 19590P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 732-594-1273  
; TELEFAX: 732-594-4720  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 836 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
US-09-077-675A-11

Query Match 5.8%; Score 78.6; DB 4; Length 836;  
Best Local Similarity 55.2%; Pred. No. 8.4e-10;  
Matches 175; Conservative 0; Mismatches 139; Indels 3; Gaps 1;

Qy 242 tgggttctctatgagatgcccacatgttctaacagcatatctggaatccctgacca 301  
Db 4 TGTCTATCTTCTCTGTCAGCGCCCTGACCTTCGTCG--CCTCTGGCAGTACCGGCCCT 60  
Qy 302 cttcagctacacccctgtgcagctgcaagcttctctcttcgagggcctgacgtacg 361  
Db 61 GGAACCTTGGGCGGACCTCTCTGCAACACTCTTTCGCAATTGTGTGAGTGAGAGCTGACCTACG 120  
Qy 362 ctacgtctgtcagctgtcagacactcagctttagcgctacatcgccatctgtacacct 421

Db 121 CCACGCTCTACCATCATCAGACGCTGACGCGCTACTTCTGTCATCTGCTCCAC 180  
Qy 422 tcaggtaaagctgtgtcggagacctgtgcaggtgagctgtctattgtgtctggg 481  
Db 181 TCCGGGCCAAGGTGTGTGTACCAAGGGCGGGTGAAGCTGTCTATCTTCTGTCATCTGG 240  
Qy 482 tcacctccgcccctgtgtgcaactgcccctgtgttgcacatggtactgagtaaccttg 541  
Db 241 CCGTGGCCCTTCTGTCAGCGCCGCCCATCTTCTGTCTAGTGTGGGTGAGACGACGAAGC 300  
Qy 542 tgaactgtcccagccac 558  
Db 301 GCACCGACCTTGGGAC 317

## RESULT 10

US-09-077-675A-15  
; Sequence 15, Application US/09077675A  
; Patent No. 6242199  
; GENERAL INFORMATION:  
; APPLICANT: Pai, Lee-Yuh  
; APPLICANT: Feighner, Scott C.  
; APPLICANT: Howard, Andrew D.  
; APPLICANT: Pong, Sheng-Shung  
; APPLICANT: Van Der Ploeg, Leonardus H.T.  
; TITLE OF INVENTION: RECEPTOR ASSAY  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merck & Co., Inc.  
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
; CITY: Rahway  
; STATE: NJ  
; COUNTRY: USA  
; ZIP: 07065-0900  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/077, 675A  
; FILING DATE: 3-JUN-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Cocuzzo, Anna L.  
; REGISTRATION NUMBER: 42,452  
; REFERENCE/DOCKET NUMBER: 19590P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 732-594-1273  
; TELEFAX: 732-594-4720  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1092 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
US-09-077-675A-15

Query Match 5.7%; Score 77.2; DB 4; Length 1092;  
Best Local Similarity 53.8%; Pred. No. 1.9e-09;  
Matches 182; Conservative 0; Mismatches 153; Indels 3; Gaps 1;

Qy 224 tggcttctctgagacattgtgttctctatgagatgcccacatgaggttctacagcat-- 281  
Db 242 TGTTCACGATGACCTTCTGTCAGATCTGTCTATCTTCTGTGTCAGCGCGGACCTGTCTC 301



MOLECULE TYPE: cDNA

TOPOLOGY: Linear





